

Continuous
News Service
Since 1881

Volume 98, Number 11

The Tech

MIT
Cambridge
Massachusetts

Friday March 17, 1978

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in
the
news

INSIDE

The Briggs Arena ice rink has finally seen its last game. The structure, which is to be replaced with a modern indoor facility, had been deteriorating steadily for the past few years and was overtaxed greatly by the burden of IM hockey.

p8

FACTS

MIT is reputed to have the finest laboratories in the world. The Electrical Engineering Department here is consistently ranked top in the nation. But the only 300-watt soldering iron in the Research Laboratory of Electronics has been checked out from the tool crib and the group that borrowed the iron forgot who they subsequently lent it out to.

McCormick resident Jennifer E. Kish '81, came in an unofficial second place in a recent MacGregor House election for Low Rise Member-At-Large, edging MacGregor resident Don MacGavin '79 by six votes.

EXCERPTS

Rather, today our primary concerns as students relate to jobs and the difficulty of finding and holding them. Increasingly, we think less about what type of world we live in and more about how and where we'll survive in it. As though arming ourselves for the surely tough struggle we'll encounter in a world of expanding population and diminishing resources, students are choosing courses on the basis of promise and practicality, such as business, marketing, computer science, and engineering. As a consequence, enrollment in the humanities, languages, and history is falling. Our thinking is thus becoming less critical and more technical. Steven Muller, president of John Hopkins University, said this summer, "We're turning out highly technical and highly skilled people who are literally barbarians."

— Bill Riordan
UMass Collegian

ERRATA

The *News Roundup* in Tuesday's issue of *The Tech* described the terrorists who struck in Tel Aviv last week as Lebanese. While the group is based in Beirut, they are in fact Palestinian. *The Tech* apologizes to any who might have been offended by the error.

Faculty begins debate on grading

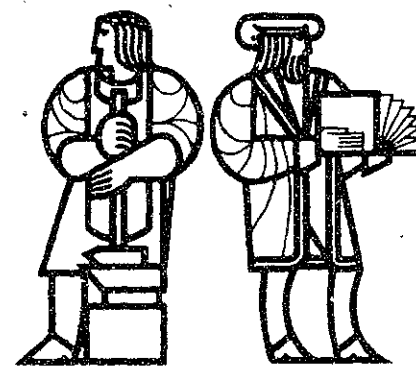
Massachusetts
Institute
of Technology

REPORT TO THE FACULTY AD HOC COMMITTEE ON GRADING

MARCH 15, 1978



Professor Zenon S. Zannetos (Photo by John Bradstreet)



Drew Friery
(Student Representative)
Thomas J. Greytak
James R. Melcher
William R. Siebert
Zenon S. Zannetos

By Jordana Hollander

The Ad Hoc faculty committee report on grading was presented for discussion at Wednesday's faculty meeting, but no definite conclusions were reached.

Professor of Management Zenon Zannetos, chairman of the Committee, opened discussion with background remarks on his committee's three proposals. He stressed that the committee was a "creature of the faculty" and functioned only to present information to the faculty for their consideration.

Zannetos said that despite discrepancies in grading policy, a "universal faith in grades" existed. The purpose of the committee's proposals, according to Zannetos, was to provide more information about a student's performance than the letter grade alone provides.

Placing a grade distributions on students' transcripts and making available letters of commendation for five percent of each class raised faculty objections on the grounds that these measures would adversely affect both students and student-faculty relationship.

Assistant Professor of Humanities Sherri Turkle, chairman of the Committee on Student Environment, contended that the proposals would increase tension for students. Professor Emeritus of Biology Bernard Gould called the proposals self-destructive and counterproductive and said that the grade distributions would "penalize" students by measuring them against others.

Professor of Biology Jonathan King further maintained that including grade distributions on

In case you were wondering.....

Rogers' plaque mystery solved

By Steven Solnick

Some time ago, *The Tech* received the following rather unusual letter:

To the Editor:

From time to time *The Tech* has been good enough to clear up campus mysteries for its readers. Could you unleash your Investigative Reporting Team on this one?

The line at the coffee and doughnut stand in the lobby of 77 Mass. Ave. was inordinately long the other morning. At a loss for reading matter, I whittled away the rough edges of the moment in study of the plaque directly behind the coffee and doughnut stand in memory of William Barton Rogers.

The problem is this: why is there a fern frond carved in relief below the head of the old gent? It looks like *Asplenium platyneuron* (Ebony spleenwort), but I may be mistaken (some member of the order *Filicales* it certainly is). But why? Can our Founder have been a fern'r?

Can *The Tech* shed light?
Michael Folsom
School of Humanities and
Social Sciences

(Please turn to page 2)



Coffee shop proprietor Bob Gerke indicates hitherto unexplained foliage. (Photo by Steick)

(Please turn to page 2)

Faculty discussion

(Continued from page 1)

transcripts would result in placing more students in "slots of lesser competence" by sorting them through a "finer sieve."

The primary objection of the faculty to letters of commendation was that they would result in what Turkle called "the rush to the front of the lecture hall," an attempt by some students to curry favor with the professor. King pointed out that if the letters were intended to indicate students' excellence in a class, the five percent figure is unrealistic because 80 to 90 percent of every class excels in some manner.

A more general doubt voiced

was whether the grading system needs clarifying. Several professors noted that the proposals seemed more concerned with giving information to outside groups such as graduate schools and employers rather than providing additional information to those within the Institute. Others countered that meaningful grades are of major importance and act as a type of "currency" for student.

Provost Walter A. Rosenblith called the discussion part of the long standing "existential problem of the faculty" concerning grades.

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Jim, love of my life, will you please do me the great honor of attending our humble party. Your noble presence will make me indebted to you forever. Your servant, TB

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between
life and death

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This space donated by *The Tech*.

Plaque foliage: Palm, not fern

(Continued from page 1)

Realizing at once the significance of this burning enigma, *The Tech* sent in its investigative reporter and ordered him to get to the bottom of this puzzle.

It can now be reported, for the first, last and definitive time, that the bust of our dear departed founder is, in fact, not adorned by an Ebony spleenwort. Careful research shows that some member of the order *Filicales* it certainly isn't. It is far too long and has too many fronds. What, one might ask, is it then?

Well, our investigative reporter asked himself just that. And, thanks largely to the perseverance of three Institute Archivists, librarians in three different campus libraries, numerous researchers at MIT Historical Collections, and one coffee shop proprietor, the truth can at last be told in full. *The Tech* of October 17, 1883 described the plaque: "The head is in bold relief and is a bit larger than life. There is a simple inscription and beneath is a palm leaf."

notes

* The UA Nominations Committee will hold hearings in Room 400 of the Student Center on March 20 at 7pm for the equal opportunities committee and at 8pm for the cable TV policy board.

* The MIT Student Financial Aid Office is mailing a memorandum to all MIT Students currently receiving financial support from certain Federal sources. That memorandum outlines the regulations which apply to these types of support. Enclosed with the memorandum is a form which, by law, must be filled out by any student to which these regulations apply. If you are such a student, kindly return the form, in person, to Room 5-119, before March 31st.

* The MIT Orienteering Club will have a meeting Monday, March 20 at 8pm in Room 20E-017. A night practice course will be run for all those interested.

* The Massachusetts College of Pharmacy's Center for Citizen Health Learning is offering a course to the public on "How Common Medicines Work", Saturday and Sunday, March 18 and 19. The course will be held at the Massachusetts College of Pharmacy, 179 Longwood Avenue, Boston, both days, from 8am to 5pm. For more info, call 734-6700 ext. 210.

Yes, Mr. Folsom, our Founder's bust is adorned by a palm leaf (order *Palmae* — the interested reader is referred to the *Index of American Palms and Fossil Palms* by B.E. Dahlgren for further information on the 9 genera and 14 species of native American palm).

Each student in the Classes of 1882 through 1886 contributed to the \$350 needed to produce this touching memorial, so one would expect there to be a good reason to find a palm leaf taking almost as prominent a position as the deceased. Some simple research revealed the connection.

While *Monuments and Memorials*, the definitive survey of sepulchral art, indicates that the realistic portrayal of flora in memorial art is in bad taste (one could almost say garish) the ap-

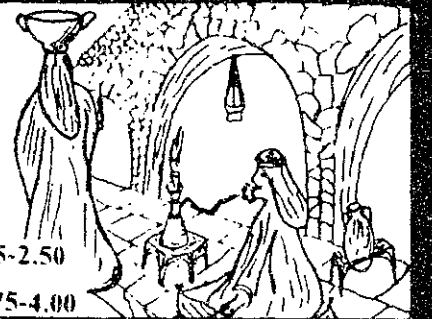
pearance of palms is so common as to be pardonable. The palm, you see, was adopted by the Early Church as the symbol of a Christian's victory over death and was often used in connection with martyrs. Perhaps the class of 1882 viewed the death of Dr. Rogers in mid-sentence of their Commencement Address as such an unpleasant way to go that he met the qualifications of martyrdom. It is more likely, though, that the sculptor, Truman Howe Bartlett, was simply short on still life and viewed the ancient religious connotations of the palm as making it more appropriate than, say, an orange.

The exact nature of the vegetable matter notwithstanding, however, it is obvious that the class of 1882 was quite frond of Dr. Rogers.

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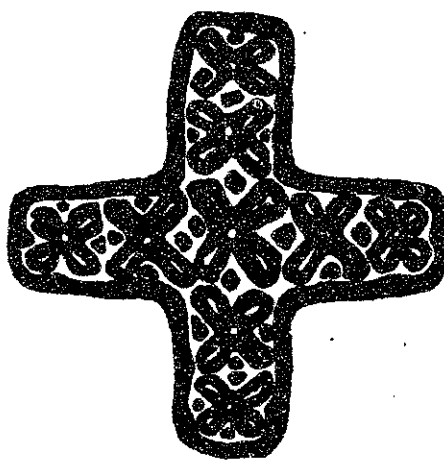
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CHAPEL EVENTS FOR

THE HOLY WEEK 1978

To complete the annual observance of Lent, a time of prayer and rediscovery of Jesus Christ, the following services will be held in the MIT Chapel.

TUESDAY, MARCH 21

8 p.m. a celebration of the Sacrament of Penance in the MIT Chapel. The rite provides a time for private confession for those who desire it.

WEDNESDAY, MARCH 22

The Lutheran-Episcopal Service of Holy Communion at 5:05 in the MIT Chapel.

7:30 p.m. *The Parable*, a film about a good samaritan who takes on other's burdens. 312 Memorial Drive.

HOLY THURSDAY, MARCH 23

A preparation for the solemn representation of the Last Supper, 5:05 in the MIT Chapel.

The Holy Thursday Liturgy of the Catholic Church 8 p.m. MIT Chapel.

GOOD FRIDAY, MARCH, 24

A noon service, Lutheran-Episcopal, in Chapel 12-1 p.m.

The Catholic Liturgy of Good Friday 3 p.m.-4:30 p.m.

THE EASTER VIGIL

Begins 11 p.m. Saturday evening outside the MIT Chapel. The ancient Christian tradition of anticipating the dawn of Easter.

EASTER SUNDAY

The beginning of the Easter Season Catholic Masses at 9:15 and 12:15 only.

news roundup

World

Israel seizes Lebanon zone — Israel ended its raid into Lebanon Wednesday but said it will occupy the border area. The 17 hour assault ended earlier this week and Prime Minister Menachem Begin said the troops will remain in the occupied territory indefinitely. The area in question is a six-mile deep, 64-mile long strip on the border. The occupation will continue until an agreement can be reached to insure that the area could never again be used for raids against Israel. Begin plans to talk over the terms of his agreement in Washington next week.

Nation

Senate ratifies Panama treaty — The US Senate ratified yesterday a treaty guaranteeing the neutrality of the Panama Canal after adding language giving the US unlimited rights to take military action to keep the waterway open. Treaty opponent former California Governor Ronald Reagan acknowledged his side lost a battle but not the war. He said he thought some senators who voted yes yesterday may vote no on the next treaty (which could turn the canal over to Panama in the year 2000) once they see how their constituents react. Reagan accused the White House of buying votes in return for beneficial legislation for particular states. Reagan noted that the Carter administration now supports a farm bill it used to oppose and the federal government is buying copper that it does not need from one senator's state.

Fluorocarbon aerosols banned — Aerosol products containing fluorocarbons as propellants will be barred from the market after April 15, 1979, according to regulations issued by the FDA, EPA, and Consumer Product Safety Commission. The regulations prohibit production of the cans after December 15, 1978.

Campus

Fencers advance in NCAA Championship — Fencing Coach Eric Sollee announced yesterday that MIT fencers Mark Smith '78 and John Rodrigues '80 have qualified for the foil and epee finals of the NCAA Division I 1978 Fencing Championships at the University of Wisconsin. Of the original 40, Smith and Rodrigues are now among the top 24 competitors. They will enter further competition today and tomorrow. Mark Smith was undefeated in the qualifying round in the foil.

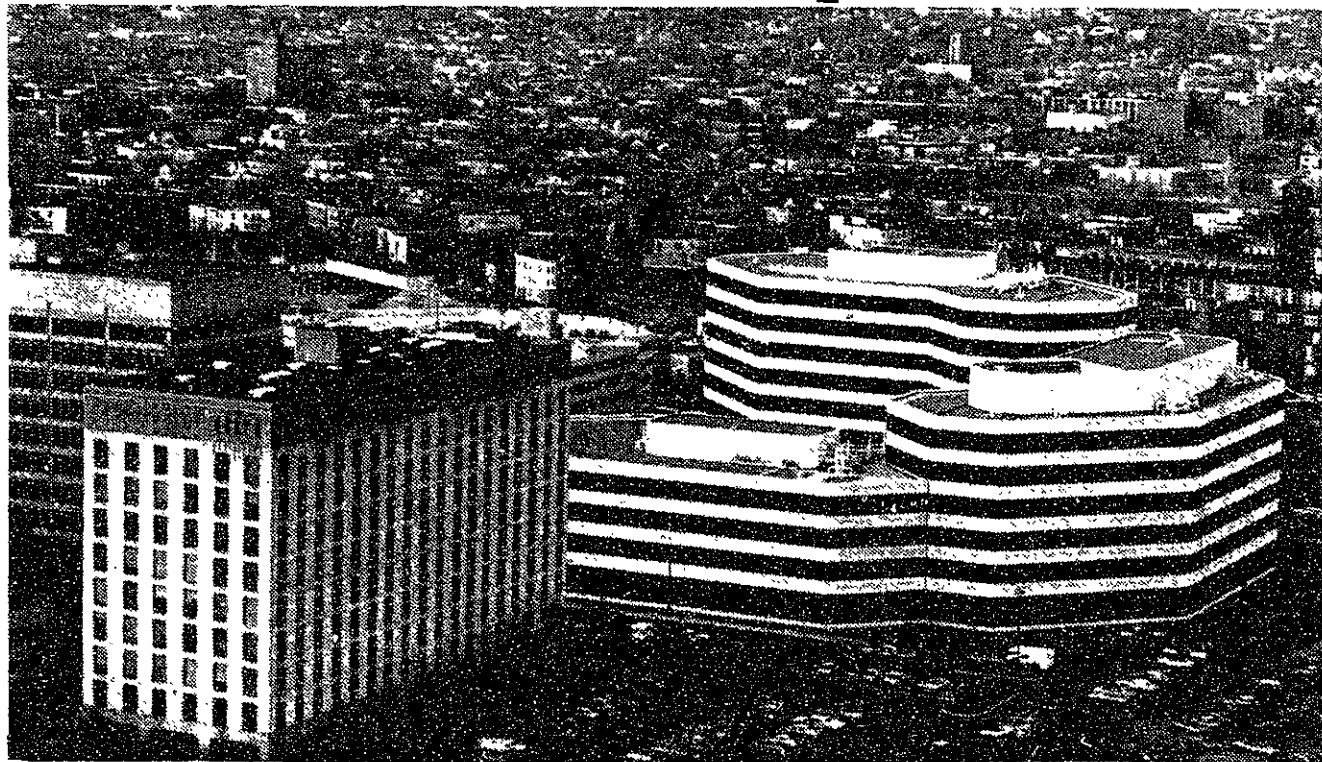
Science

Man-Mouse hybrid created — A group of scientists from Maine, Pennsylvania, and Geneva are about to announce that they have created the first man-mouse hybrids. The researchers have implanted human chromosomes into mice, but are unsure whether the mouse cells are making any use of the information. If human genes are indeed working inside mouse cells, it would be the first time that the cells of lower creatures have been coaxed into "reading" bits of the human genetic code.

Low cost method of preserving color movies developed — Dr. Charles Ih of the University of Delaware has developed a process by which laser images of entire color movies can be made at low cost, permanently preserving exact hues and tints. Because the dyes used in all color photographs, including movies, are unstable, they fade and change color, sometimes in a matter of weeks. Apart from storing color film at temperatures near freezing, no effective way of retarding the process has been discovered. Metro-Goldwyn-Mayer Inc. recently spent scores of thousands of dollars to resuscitate the color of just one movie—*Gone With The Wind*.

—Steve Kirsch
Tony Wilson

MIT research important



A number of MIT faculty members maintain close association with the Charles Stark Draper Laboratory which separated from MIT in 1973. The laboratory solves real-world problems in dynamic geometry and developed the guidance and control systems used in the Apollo program. (Photo by Steven Solnick)

By Henry Fiorentini

MIT is a demanding place with a reputation for bright students and leading faculty, from which the nation has come to expect major advances in the solutions to world problems. MIT's strength lies in its consistent and proven ability to analyze, understand, attack and solve "real-life" problems of government and industry, and its ability to pass on these methods of insight and understanding to its students.

Students who lack the experience to determine what is of importance in the real world can gain this experience from many members of the faculty members who are closely involved with outside activities.

Professor of Materials Science August Witt is well known to students in 3.091 as both an interesting lecturer and a NASA researcher involved with the Optimized Space Material Processing Project (under the Skylab project). Witt said that "students should not be divorced from the problems of the outside world. I will deliberately go out and involve myself in areas that outside interests are working on in order to familiarize myself with them, to educate my students with the problems of the real world. Isolation of academics from the outside world is very bad for the students." According to Witt, this is a view that most faculty members hold and which the administration has encouraged.

Many members of the MIT community have become associated with leaders of the Federal government. The current Science advisor to President Carter, Professor of Earth and Planetary Science Frank Press, is one of many such examples. Professor of Electrical Engineering Jack P. Ruina, Senior Consul

to the White House Office of Science and Technology, spends two or three days per week in Washington, serving as an Institute Professor the rest of the time. Ruina also noted the Institute's heavy involvement with industry and government. Ruina, who has served on numerous government committees and organizations such as the General Advising Committee for Arms Control and the National Science Foundation, said that faculty members here "are more involved with national and international affairs than at any other school. What is displayed in the classroom is not purely academic. We as faculty must ask ourselves, 'Where does this material fit into the outside world?'"

According to Witt, "MIT is in a fortunate situation, having both an excellent faculty and student body. By and large, the faculty see the students as a challenge. Another important thing is the responsibilities and demands which the students place on themselves. This puts a lot of 'pressure' on the students, but in a way that is good. MIT without pressure would not be MIT. MIT is a way of doing things, a method. The pressure is part of it."

Ruina, who has taught at Brown University as well as the University of Illinois, agrees that the selectivity of the faculty and students, as well as the pressure, is much greater here than anywhere else, although he also notes that most of the pressure is self-imposed.

Witt also agrees that the student pressure feeds upon itself and that this, coupled with the common attraction of excellent faculty and students creates a form of 'positive feedback' which should serve to keep MIT alert, aggressive and prepared to attack

notes

* The International Institute of Boston will celebrate its 41st Annual Ball on Saturday, March 18, 1978 from 7pm to 1am at the Boston Park Plaza Hotel. Guests are encouraged to wear national costume to emphasize our multinational heritage. There will be a drawing of door prizes for all ticket holders. General admission tickets are available in advance at a reduced price at the International Institute of Boston, 287 Commonwealth Ave., Boston - 536-1081.

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and
W-R MYSTERIES OF THE
ORGANISM (1971)

5 00 8 20

On Wednesday evening, March 15th Makavejev and Critic David Thompson will be present for a discussion of Makavejev's work. On Wednesday there will be showings at 6 35 and 8 20 only.

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with
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6 10 9 55

and
CAMILLE (1936)

with
Robert Taylor
7 55 Wknd Mat 4 15

CINEMA II

Hitchcock's
TO CATCH A THIEF

with
Cary Grant and Grace Kelly
6 00 9 40

and
Alain Delon in Jean-Pierre Melville's
LE SAMOURAI
7 45 Wknd Mat 4 00

EVERY WEDNESDAY IS DOLLAR
DAY AT THE BRATTLE AND
CENTRAL SQUARE CINEMAS

opinion

Stop the presses! Billy Beer is here

By Bob Wasserman

I was just sitting back the other night sipping on a few Billy Beers trying to turn out some stuff, when the entire Cambridge police force drove into my den with sirens blaring. But, no, it was just my 300-pound Samoan Lawyer calling collect from L.A.

Wait a minute, wait a minute, this column is beginning to sound like *Fear and Loathing at 77 Mass Ave.* I'm not Hunter Thompson. I'll try again.

When the story came in, Mr. Bradley called me into his office. "Wasserman", he said, "You're a young reporter, do you think you can handle it?" "You bet, Ben", I quickly replied. "OK, Bob", continued Bradley, "We've had some leaks about Billy

Carter and a new drink he's going to be peddling. Your first contact is Deep Beer."

Wow! I don't think the public could swallow a movie entitled "All the President's Brothers" right now. So much for investigative reporting *Washington Post* style.

The problem still remains: how can I convey my thoughts about Billy Beer, the brew Jimmy's brother is endorsing which is now selling coast to coast. I guess I'll have to convert to a style that's something else.

I don't know what's so attractive about Billy Beer, whether it's the orange and blue beer can, or whether it's the commercials where Billy proclaims: "This he-yar is the best be-ah Ah evah tasted". Billy Beer does not claim to be the King of Beers, but only that Billy Carter is the King of Beer Drinkers.

To understand why Brother Billy dived into the national drinking scene we must travel back to Plains, Georgia and 1976 when Jimmy Carter was making his bid for the Presidency. At that time Ol' Billy was just leaning back in his gas station drinking his Brand X beer (he never took much to peanut farming), when tiny Plains suddenly became a national landmark and tourist attraction. Although Billy complained bitterly about Plains' commercialization, he finally got bitten by the mass market bug. And so Billy Carter brought his redneck appeal out into the eye of the American public.

If Billy is successful with his national advertising campaign for Billy Beer, perhaps he will use his popularity to run for national office. After all, the Kennedys succeeded in having three presidential candidates in the family, including Sargent Shriver, and Ted Kennedy is still young. So don't be surprised if after a few years Billy Carter comes out with his autobiography entitled "Why not the Second Best", and follows in his brother's footsteps.

Billy is not the only member of the Carter family to exploit his brother's presidency: Sister Ruth Carter Stapleton is a well-known faith healer who is banking on her national image to boost sales of her books. Ruth has recently converted Larry Flynt of *Hustler* Magazine to Southern Baptism, apparently to keep the filth out of the *Plains Monitor*, which Flynt owns. Unfortunately, Flynt was shot last week after a session of his pornography trial and it will take more than Ruth's faith healing to get him back on his feet.

Now where does brother Jimmy come into the picture? It almost seems as if Billy is his alter ego: Billy represents the folksy side of politician Jimmy. While older brother Jimmy has decided to forego the president's customary martini (much too elitist a symbol for Southerner Carter), and rarely has time anymore to 'set a spell', Billy can effectively portray Jimmy's "down home" character.

Let us give credit its due. Jimmy Carter is a wily politician, and he probably is getting as much out of Billy's publicity and Ruth's notoriety as they are. Perhaps Jimmy has sent his sister to cure America's spiritual ills and has sent his brother to attend to the country's physical needs, while Miz' Lillian pours her maternal affection into the US.

Can it be possible that there are so many complex political processes behind each can of Billy Beer? Or is more likely that Billy Carter is simply out to make a fast buck, like everyone else in America? Whatever the case, it just goes to show that American politics should not be taken with a grain of salt, but rather they should be digested with a few Billy Beers.

The Tech

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Volume 98, Number 11
Friday March 17, 1978

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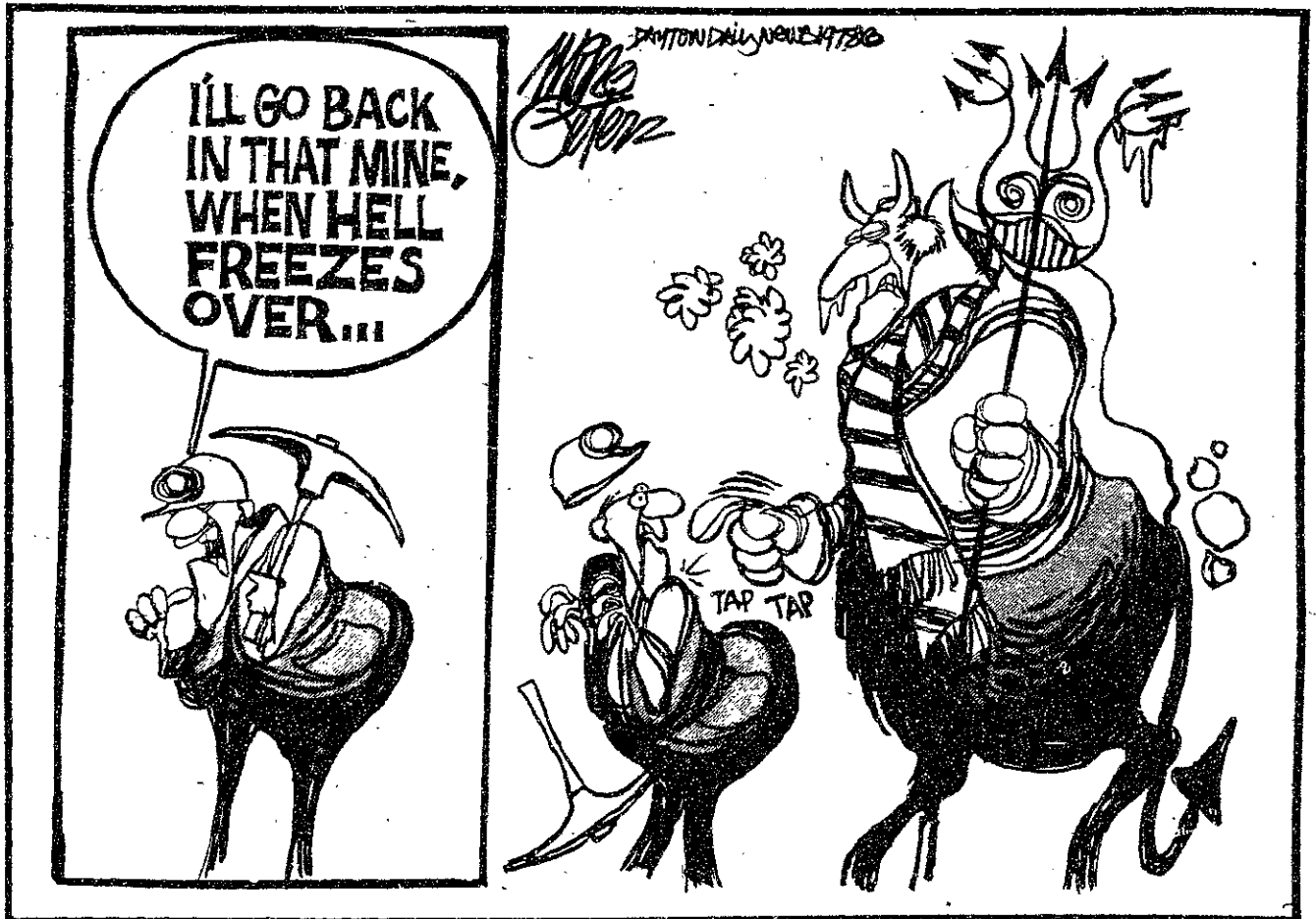
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feedback

Student policy group to meet

To the Editor:

On behalf of the recently organized Student Committee on Educational Policy and Policy Decision making, we would like to invite interested faculty to attend an informal dinner to be held at Walker Memorial Dining Room, no smoking section, on Wednesday, March 22, at 5:15pm.

The purpose of this meeting

will be to discuss the latest proposal of the Ad Hoc Committee on Grading in an informal atmosphere, and also to discuss methods of increasing student and faculty input into the educational policy making process. Among the proposals we would like to discuss are (1) publicizing and making open to all students and faculty any committee meetings pertaining to

educational policies; (2) publicizing the minutes of such meetings in campus media as soon after each meeting as possible; and (3) establishing a regular forum for the discussion of educational policy in which all members of the MIT community will be free to voice their opinions.

If you are not able to attend the dinner, we are still interested in any thoughts and suggestions you have concerning the above proposals. We would also be very interested in knowing if you would like to help in presenting these or alternative proposals to the CEP or the faculty. Although not necessary, we would appreciate if you could tell us if you are coming by calling the Undergraduate Association, Rm W20-401, x3-2696.

Tom Davidson
For the Committee
March 14, 1978

Zionists condemn PLO raid on israel

To the Editor:

The New England Federation of Zionist Students condemns in the strongest possible way the actions of PLO terrorists operating on March 11 against innocent Israeli citizens. The New England Federation of Zionist Students vows to defy the PLO's ex-

clusivism by intensifying its Zionist activities in every conceivable manner.

MIT Israel Action,
in affiliation with
the New England Federation
of Zionist Students
March 13, 1978

Modern art lacks large following

To the Editor:

Bob Wasserman's thoughtful editorial of March 14 revives the familiar question, "Why is MIT concerned with instilling an awareness of art in its largely technological student body?" As those of us who participated in the recent *Transparent Horizon* controversy know, the reasons are three: (1) MIT, for all its understandable pride in its academic excellence, has an inferiority complex with respect to the humanities; (2) MIT believes that the school in the forefront of scientific, mathematical, economic and linguistic thought should be in touch with the latest developments in the arts as well.

The third reason is by no means limited to this campus, having originated long before the Institute was founded. It is that the individual whose principal interest is math or science loses much or at least some of his humanity in the course of pursuing that interest. Something about poring over problem sets or reading charts in isolated labs night after night acts to dehumanize one. The antidote: art.

As most of us know, and as the recent *Transparent Horizon* furor proved, there is no lack of interest in the arts at MIT. The student bored by his problem sets does ex-

actly the same things that bored people do elsewhere. He talks to friends, tosses a Frisbee, reads a novel, listens to music, etc. It is true, however, that MIT students on the whole have great difficulty in appreciating the more uncompromisingly modern examples of modern art. But in that respect, too, they are no different than most people. The great bulk of society at large experiences considerable difficulty in relating to much twentieth century sculpture, painting, poetry and music. Tom Wolfe recently estimated that the public for contemporary visual art is no more than 10,000 people out of a planet of four billion.

One idea frequently expressed on this campus is that the current artist-public communication gap should not exist here. So much modern art having a scientific basis, it is argued, sundry students and professors should understand and enjoy it.

That is a grave error. If anything, just the opposite is true.

The reason so many people are indifferent to or scornful of modern art is because they find it incomprehensible, difficult and mystifying. That is to be attributed to the fact that many of the founders of modern art were dabblers in a mystical strain of thought, one whose roots lay deep in the early Middle Ages: oc-

cultism. Stephane Mallarmé (1840-98), the founding father of modern obscurity in the arts, was interested in the occult. So were Rimbaud, Yeats, Joyce, James and the German bard Stefan George, the latter influencing many artists in a number of different fields. The true artist, thought occultists, was a prophet who spoke years in advance of the general public.

Interest in the occult continuing apace, a second development of vital importance transpired. Among European intellectuals in the last years of the nineteenth century the belief became pervasive that contemporary society was decadent. Modern man had lost touch with his soul as the result of the material comfort produced by science and industry. Consequently, artists felt compelled to revolt against the corrupt society that surrounded them by developing new forms of expression as far removed from the old as could possibly be.

When the mysticism introduced into art by Mallarmé became linked to the rebellious spirit engendered by the theory of social decadence, modern art was born. So, too, was the twentieth century communication gap, of which the situation here at MIT is a small but characteristic part.

Roger Kolb G
March 14, 1978

arts

Edgerton lecture a flash of brilliance

By David Shaw

Professor Harold "Doc" Edgerton delivered a lecture on the topic "Uses of Strobe Lights" on Monday, March 13 in 10-250. The lecture followed the recent opening of an exhibition entitled "Edgerton's Stroboscopic Projects", which is still showing in the Compton Gallery.

"Doc" Edgerton is the inventor of strobe photography, and is considered to be the foremost authority on the subject. In the lecture he told of his work with synchronous motors as an undergraduate in 1928. He used a strobe to view the motors, but when Charles Stark Draper told him that there might be other uses for it, he decided to apply the strobe to photography.

The lecture consisted of a presentation of slides of some of Edgerton's photos, with "Doc" providing a running commentary and some humor. One of his first photos was of a cup of coffee shattering as it hit the ground. He did not recommend that students try to take a similar picture because if the cup is dropped correctly it "spouts up and makes a mess on your ceiling". When a slide was shown of a bullet cutting a card in half he explained: "People are always asking me to title my pictures, so I call this one 'The hard way to cut a card'." He kept the technical aspects of the subject to a minimum without oversimplifying the techniques required for strobe work. "Doc" reminded the audience of one important theory, however: "Distance = velocity X time, in case you haven't heard."

In the course of the lecture, one learned that Edgerton's strobes and cameras have been used everywhere. One of his strobes was used in outer space, one went to the ocean bottom, and another was used by the Army for aerial reconnaissance photos. "Doc" also built the underwater cameras that Bob Rines is using in the search for the Loch Ness Monster. For this, Edgerton and Rines became the subject of the comic



"Doc" Edgerton demonstrating the "Double Filter Hydraulic Happening Machine" in the Compton Gallery. (Photo by Steven Solnick)

strip *Doonesbury*. "Doc" 's photos have also appeared in *Scientific American* and *Technology Review*. One of his photos (which he considered a failure) is now on display in the Museum of Modern Art. An Edgerton strobe sits on top of the Museum of Science in Boston, and has been operating since its installation eight years ago.

"Doc" also showed two movies that were made by associates of his. The first movie was an elapsed time sequence of

marine life on the sea bottom. When a segment sand dollars was shown, he added: "I tried to get them to spell out MIT, but I think they knew better." The other film was a slow motion sequence of bats catching insects in flight, which was made with the help of "that fine institution up the river."

As a conclusion to a fine lecture, "Doc" encouraged any interested students to visit him in Strobe Alley, and then invited the audience to join him in the Compton Gal-

lery, where he would answer questions about his work.

When asked how he felt about having his work on display, he replied: "I wouldn't have done it myself, because I'm such a poor housekeeper. Someone came in and dug around the lab, dusting off and mounting photos. I didn't realize that some of these pictures still existed." "Doc" also indicated that he would continue his work because "No matter what you do in life, you always get a different answer."

happenings

AROUND MIT

Dance-a-thon, sponsored by Lambda Chi Alpha for Easter Seals, will be held Sat., March 18, 4pm-midnight, party starting at 8pm, in Walker Memorial Dining Hall. Music by Buster Brown, free drinks; door prizes and munchies. Admission \$3; get sponsors and call 262-6518.

Richard Smith will have an exhibition of his paintings, drawings, and graphics on display at the Hayden Gallery from Mar. 17-Apr. 19, from 10am-4pm, Sun.-Fri. Public preview with an informal talk by Smith will be Fri., Mar. 17 at 7pm.

MIT Dramashop will present a set of one-act plays including *The Old One-Two* by Prof. Gurney, Ionesco's *The Lesson* and *Come and Go* by Beckett, on Fri., Sat., March 17 & 18, 8pm in Kresge Little Theatre. Coffee, cake, and audience critique after play; free.

The Mezz, entertainment, refreshments, and relaxation on Fri., Mar. 17 at 9pm in the Mezzanine Lounge of the Student Center.

Guest Artist Series, Concord String Quartet, Sat., March 18, 8pm in Kresge.

Choral Society with John Oliver conducting an all Schumann program, including *Nachtlied*, *Requiem für Mignon*, and *Der Knigssohn*, Op 116; Sun., March 19, 8pm, Kresge Auditorium. \$4 unreserv., \$5 reserv., \$2 with MIT/Wellesley ID.

Contrasts and Compliments, Vincet Ricento, baritone Thomas Zajowski, pianist, perform a recitation contrasting vocal writing over four centuries in four countries, Mon., March 20, 8pm in Kresge Little Theatre; free.

ANNOUNCEMENTS

Wellesley College Chamber Orchestra will present a concert Sat., March 18, at 8pm in the Houghton Memorial Chapel. Program includes *Pavane for a Dead Princess* by Maurice Ravel, Haydn's *Symphony #45*, and the Mozart *Flute Concerto in G Major, K. 313*; for info. call 235-9744; free.

AT THE MOVIES

The LSC lineup this weekend:

Monty-Python and the Holy Grail (Fri.) 7 & 9:30pm in Kresge.

Jabberwocky (Sat.) 7 & 9:30pm in 26-100.

Citizen Kane (Sun.) 6:30 & 9:30pm in 26-100.

The Ipcress File, the Midnite Movie, Sat., March 18, in the Sala de Puerto Rico; free with MIT/Wellesley ID.

A Woman is a Woman, directed by Jean-Luc Godard, Fri., March 17, 8pm in Rm. 66-110; donation \$1.25.

Fourth Annual Animation Series continues the sixth of eight consecutive weekends with *Animation by Larry Jordan*, Fri.-Sat., March 17-19 at 7:30 & 9:30 at the Carpenter Center for the Visual Arts on Quincy St., outside Harvard Yard. Tickets \$2, call Center Screen, 253-7620.

IN TOWN

Harvard-Radcliffe Collegium Musicum will present Mozart's *Requiem* accompanied by the Mozart Festival Orchestra on Fri., Mar. 17 at 8:30pm at St. Paul Church at Bow and Arrow Streets in Cambridge. Tickets are \$2 for students; call 495-5730.

Bach Society Orchestra will give a concert in Harvard's Sanders Theatre on Sat., Mar. 18 at 8:30pm. The program includes Purcell's *Chacony in G*, Mozart's *Piano Concerto no. 21 K 467*, and Wagner's *Siegfried Idyll*. Tickets are \$1.50; call 495-2663.

Styx, in concert, with guest *Starz*, Thurs., March 23, 8pm at the Orpheum Theatre. \$6.50 and \$7.50 tickets at the box office, Ticketron, and Strawberries.

Blue Oyster Cult, in concert with guest *Be Bop Deluxe*, Thurs., March 30, 8pm at the Music Hall. \$7.50 and \$8.50 tickets at the box office, Ticketron, and Strawberries.

Bruce Springsteen is planning three concerts, April 11-13 at the Music Hall. Anticipate swift first-come, first-served ticket sales; be prepared to race to the box office when they're announced.

— Leigh J. Passman

Anouilh's Antigone

Tragedy with a message

Antigone, at the Boston Shakespeare Company theatre, Berkeley & Marlborough Streets, Boston, March 16 - April 1, Thurs. & Sat., tickets \$5.40, \$4.50 and \$3.50, call 267-5600 for reservations.

By David Shaw

Jean Anouilh's *Antigone* is the first non-Shakespeare play to be introduced into the Boston Shakespeare Company's already thriving repertory season. It has been described as a "contemporary tragedy of personal destiny and individual freedom", and the BSC's performance conveys the play's message with great clarity.

Anouilh based his *Antigone* on Sophocles' tragedy of the same name, written in about 410 B.C. In Sophocles' play, as in Anouilh's, the message is conveyed in the confrontation between Antigone, Oedipus' younger daughter, who has buried her slain brother Polynices, and Creon her king-uncle, who has issued an edict that anyone who buries the body must be put to death.

Anouilh's *Antigone* was first performed in Paris in 1944, at the height of the German occupation in France. For its original audience, the play conveyed a political message; fight oppression even if victory is impossible. This message is still felt throughout the play's performance, but it seems to be more of a drama about real people in important situations. The legendary events described provide a framework for the actors.

The main message of the play is conveyed in a scene in which Creon tries to convince Antigone that she does not want to die. After listening to all of Creon's points, she rejects his promise of empty happiness:

"I want everything of life, I do;
and I want it now!
I want it total, complete;
otherwise I reject it! I will not
be moderate!"

The play was well executed, with some truly inspired acting, especially S. Proctor Gray's portrayal of Antigone, and Will Lebow's performance as Creon. They both



Creon (Will Lebow) and Antigone (S. Proctor-Gray) in Boston Shakespeare Company's *Antigone*

powerfully conveyed the sense of nervous tension that pervades the play, especially in the final confrontation scene. Also of note were the performances of Sterling Swann as the Chorus, the voice of fate and the "Conscience" of the play, and Ramon Ram6s as Private Jonas, who provides the comic relief through his constant worrying.

The only criticism of the play is that the lighting in certain scenes was poor, sometimes an actor's face was hidden in shadow. This shadowing was effective in some scenes, but not in all. Otherwise, the play was technically flawless — the actors were easily heard, and could be seen from all seats.

Antigone is a play that must be seen, for both its fine acting and the message it conveys. It is my hope that the BSC will continue to include other classical tragedies in their repertory, as they are certainly a capable troupe.

Now comes Miller time.

sports

IM hockey standings

A League							XMI						
W	L	T	PTS	GF	GA		1	1	2	4	10	12	
Metallurgy	6	0	1	13	23	7	1	1	1	3	6	6	
J.V.	2	1	1	5	14	12	1	2	1	3	4	14	
Mech. E.	1	5	1	3	11	20	0	4	1	1	8	18	
Fiji/SAE	0	3	1	1	1	10							
B League							C4 League						
W	L	T	PTS	GF	GA		W	L	T	PTS	GF	GA	
LCA	4	0	1	9	13	2	BTB	5	0	0	10	24	2
MITNA	4	0	0	8	15	5	Biology	2	2	1	5	15	16
EPS	4	2	0	8	15	7	Baker's Dozen	2	2	1	5	10	13
Mech. E	3	1	1	7	17	16	Macgregor E	2	2	0	4	10	14
Mont. Express	2	2	0	4	10	9	Aero-Astro	1	3	0	2	10	12
Bexley	2	2	0	4	7	7	Third East	1	4	0	2	7	19
TDC	1	3	1	3	4	5	C5 League						
Theta Chi	1	3	0	2	3	13	SPE	5	0	0	10	23	4
Tang TPP	0	4	1	1	5	13	#6/PBE	4	1	0	8	19	8
Russian Nat. Tm.	0	4	0	0	8	15	Make Believes	2	3	0	4	9	16
C1 League							ABT	1	3	0	2	8	14
W	L	T	PTS	GF	GA		Nuclear Eng.	2	3	0	2	6	14
Chem. E	4	0	0	8	21	8	PKT Frozen Buzzards	1	4	0	2	3	9
SAE	3	1	0	6	16	5	D1 League						
NRSA	3	2	0	6	17	9	Zambonies	3	0	1	7	12	3
DTD	2	2	1	5	15	14	PBT	3	0	0	6	16	0
DEKE	1	2	2	4	8	11	Mets	2	0	1	5	7	1
PLP	1	4	1	3	14	24	Russian House	2	1	1	5	11	11
LCA	1	4	0	2	11	22	Standley's Cup	1	2	1	3	6	10
C2 League							Mech. E.	1	2	0	2	6	4
W	L	T	PTS	GF	GA		ATO	0	3	0	0	0	16
ATO	5	0	0	10	19	0	New 3 Stooges	0	4	0	0	3	12
KS Flaming Ice Holes	3	2	0	6	10	8	D2 League						
Fiji	2	1	0	4	4	3	Qtr. Screw Drivers	4	0	0	8	20	2
Chi Phi	2	2	0	4	4	6	BTP	4	1	0	8	11	8
Sigma Chi	1	2	1	3	7	5	PKS	3	2	0	6	17	7
PrKA	1	3	0	2	10	15	DU	2	2	0	4	8	6
TEP	0	4	0	0	2	19	SAE	2	2	0	4	8	12
C3 League							Theta Chi	1	2	0	2	4	12
W	L	T	PTS	GF	GA		Deke	0	3	0	0	2	10
Conner 3	3	0	1	7	31	5	KS Flying Pucks	0	4	0	0	0	13
E.C.H.C.	3	0	1	7	20	6							
Chokin Tokers	2	3	0	4	12	30							

Fencing regionals

By Jeannette M. Wing
(Editors note: Jeannette M. Wing '78 is a member of the women's varsity fencing team.)

Although they entered with a 12-5 dual won-lost record for the season, the MIT women's varsity fencing team placed a disappointing eighth out of eighteen teams in the New England's held at Boston College on Sunday. The junior varsity squad fenced superbly however, and came in second in their event.

The eighteen schools were split into two pools of nine teams each, all struggling to get to the final pool of ten teams. MIT squeaked into the finals by placing sixth in its pool made up of the nine New England Women's Intercollegiate Fencing Association (NEWIFA) members. Of these MIT beat URI, Western Connecticut, and Wellesley (won on indicators); tied Dartmouth (tied on indicators); and lost to Brandeis, Radcliffe, University of Maine, and Yale. Of the final pool MIT beat WPI, RIC, and Wheaton, but lost to SMU.

Captain Michelle Prettyman '79 missed entering the final pool for the Individual Championships by six touches. Her total bout scores tied with the top fencer from Brandeis, however, and overall she put in a fine performance and won 8 bouts.

Fencing second, Jeannette Wing '78 won 5 total bouts:

Meredith Boice '78, fencing third, won 3, and Julia Shimaoka '80 won 1. Cathy Osman '78 substituting in for Shimaoka and Boice to win 4 and Jean Gragory '79 also subbed for Shimaoka and won 1.

Highlights of the varsity competition included successful clean coupe and feint disengage attacks by Prettyman, plus quick parry-ripostes by Wing.

The real stars of the tournament for MIT were the junior varsity squad which came in second out of twelve teams. (Yale came in first in both the J.V. and varsity competitions.)

The J.V. team beat SMU, Western Connecticut, URI, Brandeis, Wellesley, Radcliffe, and RIC, and lost only to Yale.

Marian Stein '80, fencing first for J.V., with only one defeat, was seeded first for the J.V. individuals. Nancy Robinson '81, fencing second with only two defeats, entered the individuals, too. Also fencing were Sayuri Kuo '81 and Gail Moskowitz '80, Amelia Phillips '81 and Denise Murphy '78 were substitutes and each won a bout.

Robinson and Stein fenced six opponents each in the individuals and came in fifth and seventh respectively. It was a first for MIT's women's fencing to have two fencers enter the final round for individuals.

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Monday, March 20 — Tuesday, March 21

Zachariah

Wednesday, March 22 — Thursday, March 23

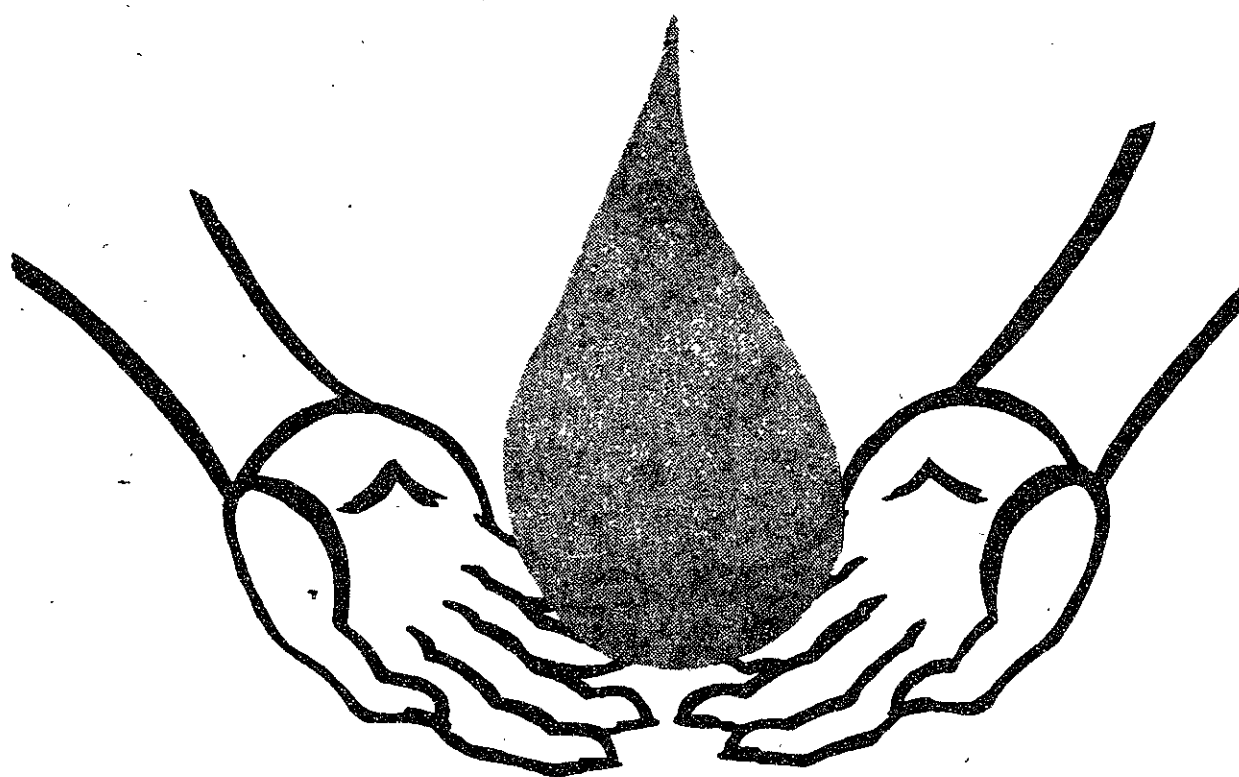
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MIT Student Center

The Ice Rink: a lot of old memories

By Gordon Haff

For several weeks posters advertising "Briggs Arena's last game" had been hanging on various bulletin boards around the Institute. The game was between this year's Club team and Club alumni teamed with the ill-fated Varsity, which disbanded three years ago. It was to have been held two weeks ago today.

Unfortunately, a snowstorm changed a Friday game which might have drawn a fair crowd into a Sunday game with fewer than a dozen spectators. While the lack of a crowd could certainly have been in part attributed to the distinct possibility that this would not be the last game played on the rink, it is still an interesting indication of spectator appeal of sports at MIT. The lack of any sort of desire to see what could be the last game ever on the old rink is quite unusual, though not unique.

Perhaps this is due to the fact that not many MIT people have ever seen a varsity hockey game and most of those who have played IM hockey on the rink never took it seriously enough to care.

The present ice rink was dedicated on February 20, 1955, over 22 years ago. It was intended only as a temporary structure which had "sufficient area for possible future covering and expansion" according to an article *The Tech* September 18, 1954.

Ike Geiger, MIT Director of Athletics for seven years and one of the primary architects of MIT's present sports system, was the person most responsible for the

construction of the rink. He was also the person in charge of the purchase of the Rockwell Cage from the Army and its subsequent transportation to its present site. Unfortunately, he died shortly before the rink was completed.

At the time the structure was quite impressive. In 1955, even in the Northeast, artificial ice surfaces were not that common and MIT's new ice was larger than most. The cooling system was ingenious as well: it doubled as an air conditioning system for Kresge Auditorium which was also nearing completion at the time. In short, in the words of the President's Report of 1955: "The new additions [1955 also featured the addition of the basketball floor to the Cage] represent the most significant growth in our athletic and recreational facilities since the construction of the Rockwell Cage."

The President wasn't the only one who was pleased. Ben Martin, the Beaver hockey coach, saw the rink as little less than a godsend according to a February, 1955 *The Tech*. The hockey team seemed to agree. They beat UNH 3-2 in their first game on the new rink and prompted a *The Tech* sports writer to write: "Playing on their own rink, the red-hot Beavers were a vastly improved team from the squad that lost six games during December and January."

All of this brings us to the following question. Where are we now and where do we go from here? The first part is relatively easy to answer, though the answer is in some ways not particularly



The Theta Chi team celebrates after its 1971 A-league hockey victory. Theta Chi is one of three teams who have won consecutive A-league championships. Most recently, Metallurgy has accomplished this feat by winning the title both this year and last year.

pleasant.

The 23 year old "temporary" facility is vastly overloaded and its cooling system and other facilities deteriorate more rapidly every year. An Athletic Department Publication, "A New Athletics Facility and Special Events Center at the Mas-

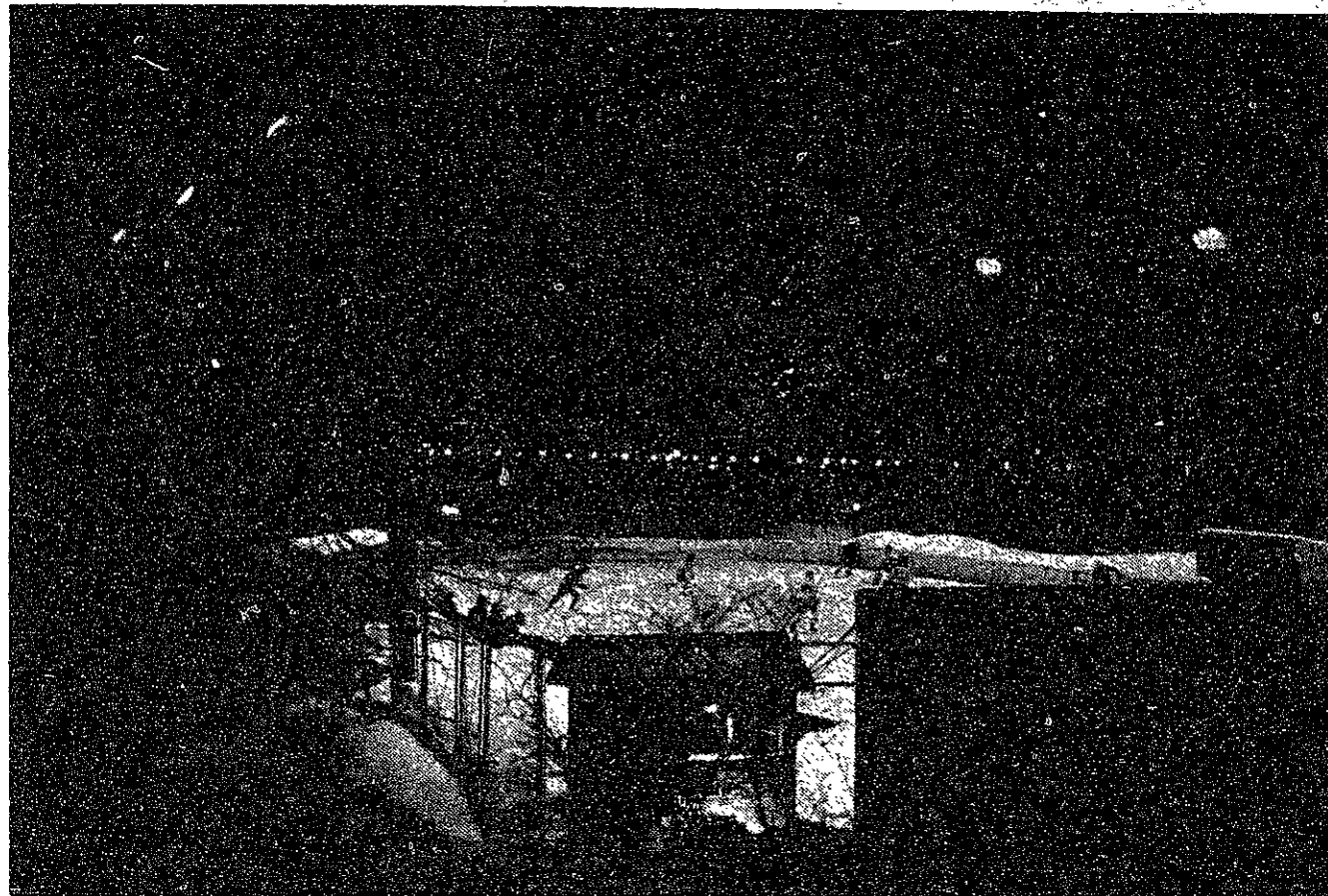
sachusetts Institute of Technology" gives the following figures for participations in 1974-1975:

General Skating	12,700
Intramural games and practice	8,650
Intercollegiate games and practice	2,600
Physical education classes for academic credit	2,550
Other	1,100
Total	27,600

Since 1974-75, these figures have doubtless risen considerably. This hockey season provided a

textbook example of the problems of an outdoor rink. Warm fall weather and blizzards in January destroyed countless hours of ice time.

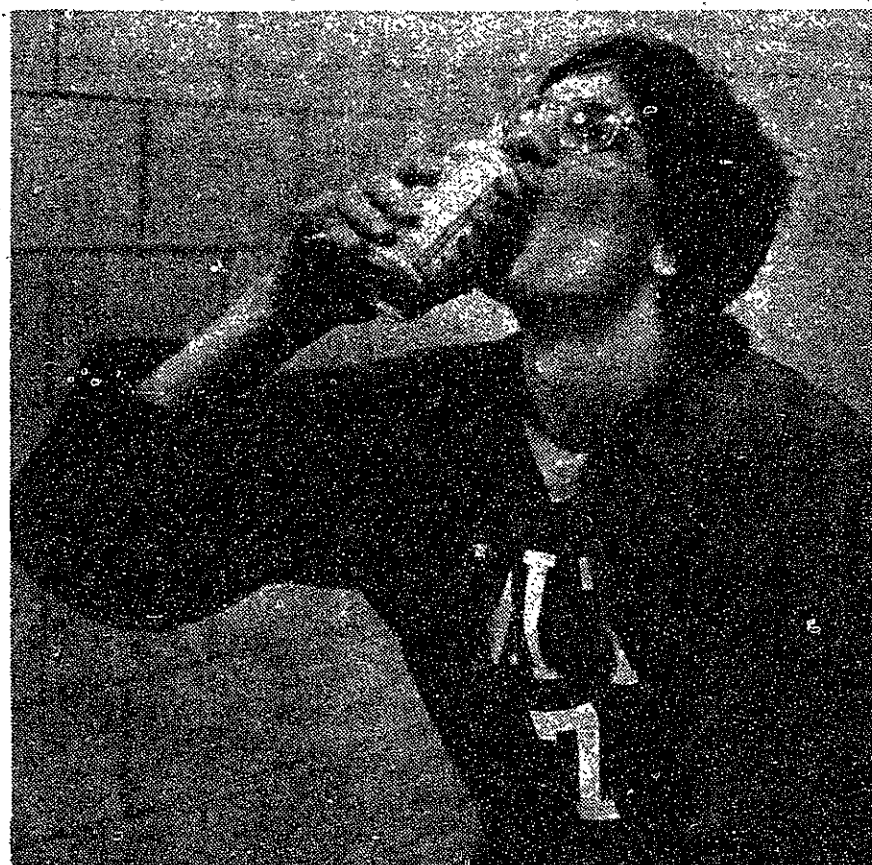
Where do we go from here? Plans are presently being drawn up for the new athletic complex which will include an indoor ice rink, open from October to March. When Prof. Ross Smith, Director of Athletics, was asked why the rink wouldn't be open year round, he responded that it would be economically unfeasible



The lights were appropriately dim as the varsity-alumni hockey game was played March 5. This game may have been the final one played in the outdoor rink before the beginning of construction of an indoor rink as part of the new athletic complex.



Over twenty years of IM hockey contain unforgettable memories of games, celebrations, and powerful teams which have won the championship year after year. Lambda Chi, SAE, Theta Chi, Baker, FIJI, and Burton are a few of the names that come to mind from over the years. IM Hockey has become an important tradition in many living groups and an unforgettable part of their history. The game pictured above is between Lambda Chi and Fiji/Baker two years ago. Although Lambda Chi won this viciously fought contest with Paul Thompson '79 scoring the single goal of the game against Dave August '76, the Lambchops were doomed to lose in the playoffs. (Photo by Gordon Haff)



Gary Was G, a former member of the Club team, quaffs some brew after the Alumni hockey game. The score was about 9-5 in favor of this year's team, but between the scoreboard not working and the Alumni ending the game with about a dozen people on the ice, it was hard to be sure. (Photo by Gordon Haff)

and wouldn't really fit in well with the idea of the new complex being used as a major events center.

Money, and a lot of it, is all that now stands in the way of construction of the new center. The present construction figure is on the order of \$7.8 million, according to Smith and is being driven skyward at a rate of \$50,000 per month by inflation. When asked how long construction would take once it got started, Smith said that he was hopeful that it would only ruin one hockey season.

Anyone who has played on MIT's ice in the dead of winter can easily recall the biting, sub-zero winds which have a way of blowing off the Charles in the winter. Frozen toes and fingers

are not the only hazards caused by the cold. It has certainly not been unknown for felt tip pens to freeze and camera shutters to jam up among those spectators daring enough to come out and watch. There is a story that once during an MIT hockey game, a puck broke in half when dropped to the ice. It wouldn't be surprising.

This old outdoor structure is inseparable from MIT's intramural hockey. One could almost say that a kind of mystique has grown up around the rink which won't easily be forgotten - the 7am practices, the freezing toes and fingers, the spectators wrapped in blankets, and the warming alcohol. The Rink has always been an important feature to MIT and somehow an indoor rink just won't seem the same.